

4.2.B. 0604000102 (Snake Creek).

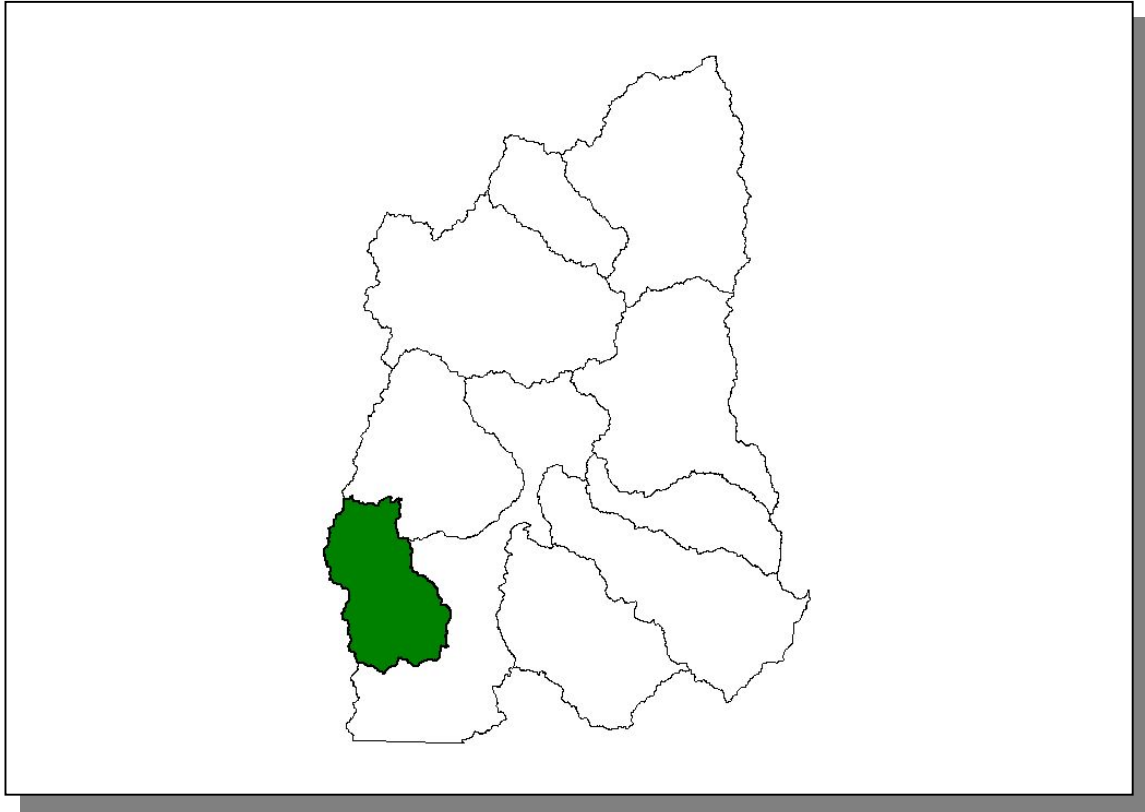


Figure 4-15. Location of Subwatershed 0604000102. All Tennessee Western Valley (Beech River) HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.B.i. General Description.

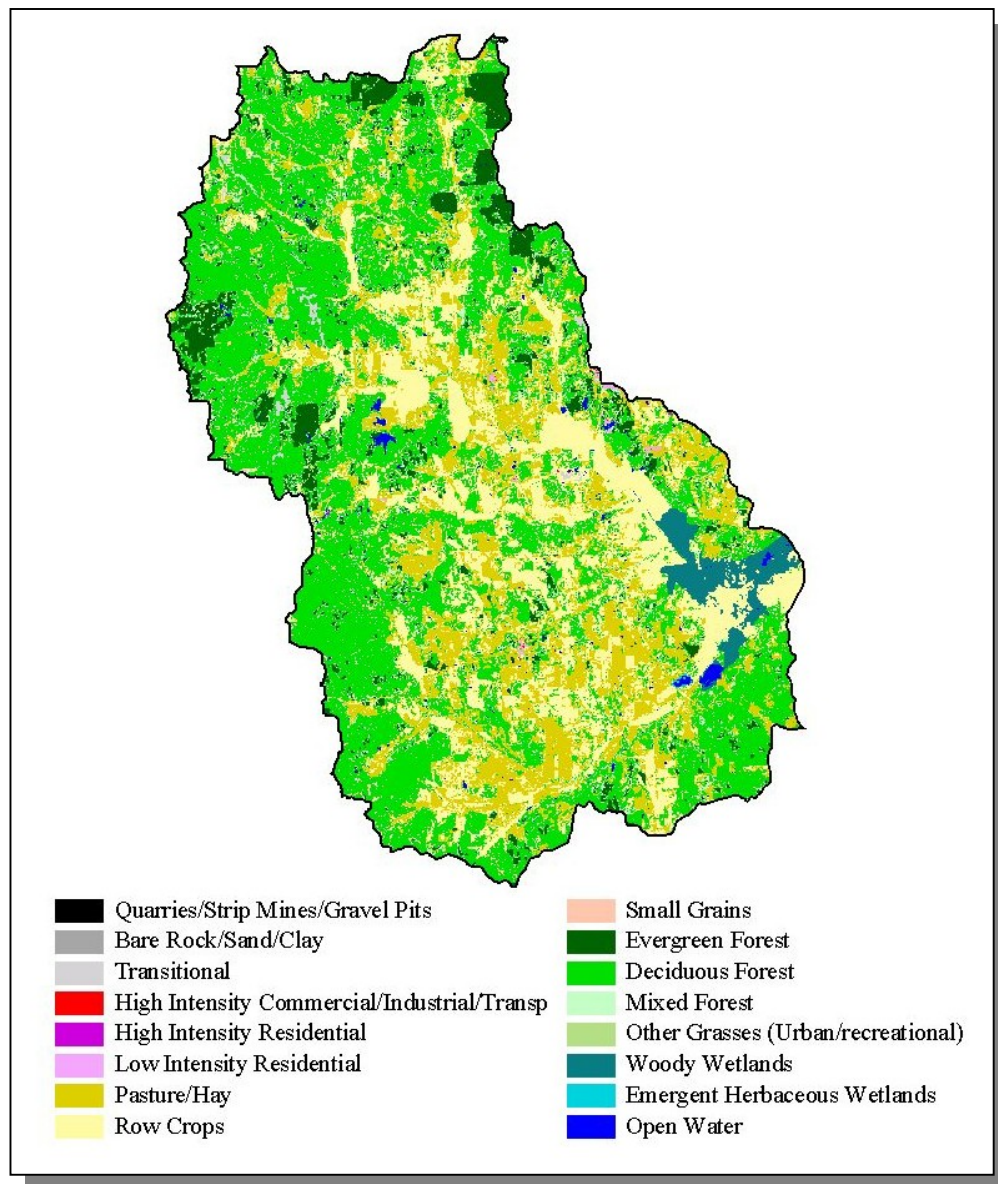


Figure 4-16. Illustration of Land Use Distribution in Subwatershed 0604000102.

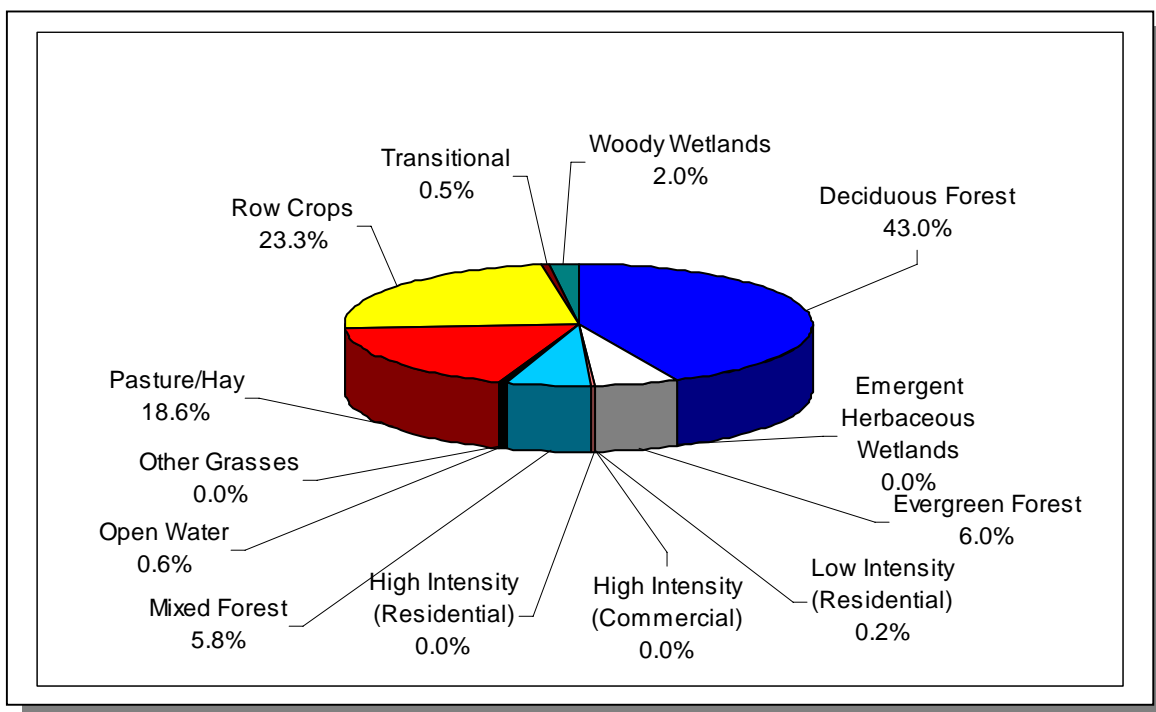


Figure 4-17. Land Use Distribution in Subwatershed 0604000102. More information is provided in Appendix IV.

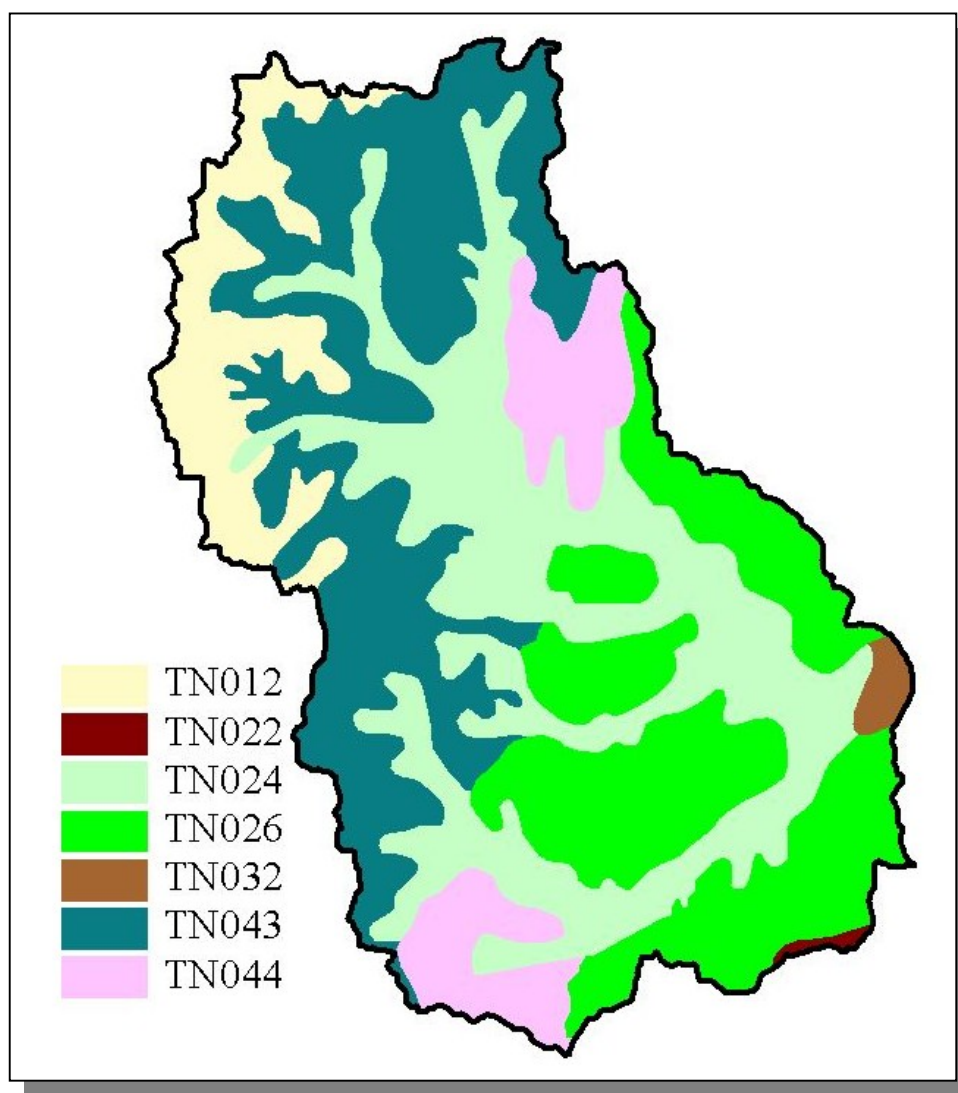


Figure 4-18. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000102.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN022	5.00	C	1.98	5.07	Loam	0.37
TN024	61.00	D	2.18	5.35	Loam	0.29
TN026	0.00	B	1.52	5.13	Silty Loam	0.40
TN032	19.00	C	1.21	5.51	Silty Loam	0.37
TN043	0.00	C	2.70	5.02	Loam	0.30
TN044	0.00	C	1.48	5.32	Silty Loam	0.42

Table 4-11. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000102. More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Hardin	22,633	24,816	25,578	2.78	630	691	712	13.0
McNairy	22,422	23,678	24,653	19.93	4,469	4,719	4,914	10.0
Totals	45,055	48,494	50,231		5,099	5,410	5,626	10.3

Table 4-12. Population Estimates in Subwatershed 0604000102.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Adamsville	McNairy	1,745	764	606	154	4

Table 4-13. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0604000102.

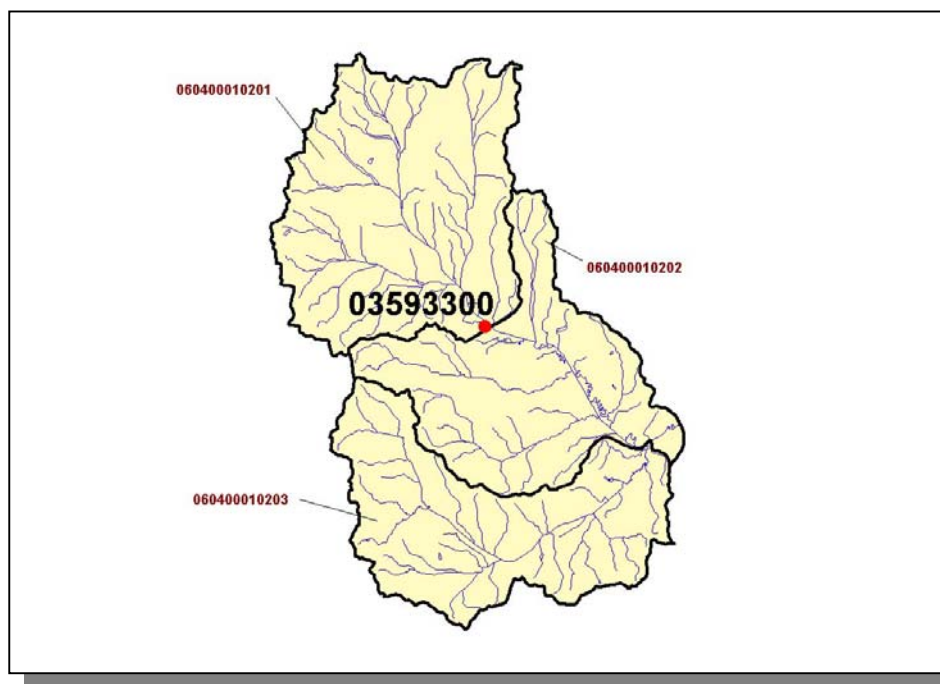


Figure 4-19. Location of Historical Streamflow Data Collection Sites in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information is provided in Appendix IV.

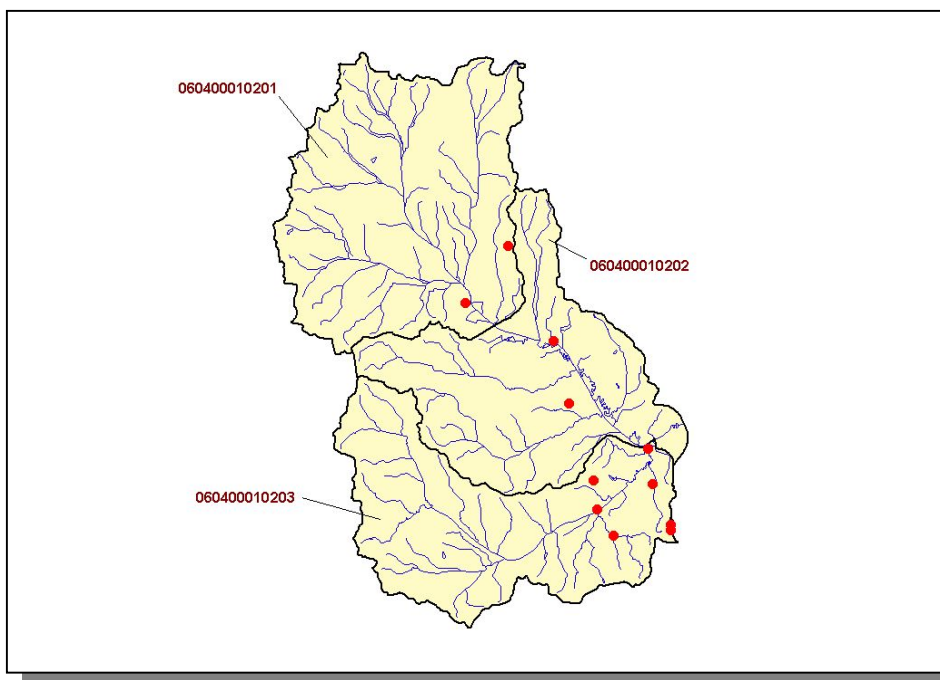


Figure 4-20. Location of STORET Monitoring Sites in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

4.2.B.ii. Point Source Contributions.

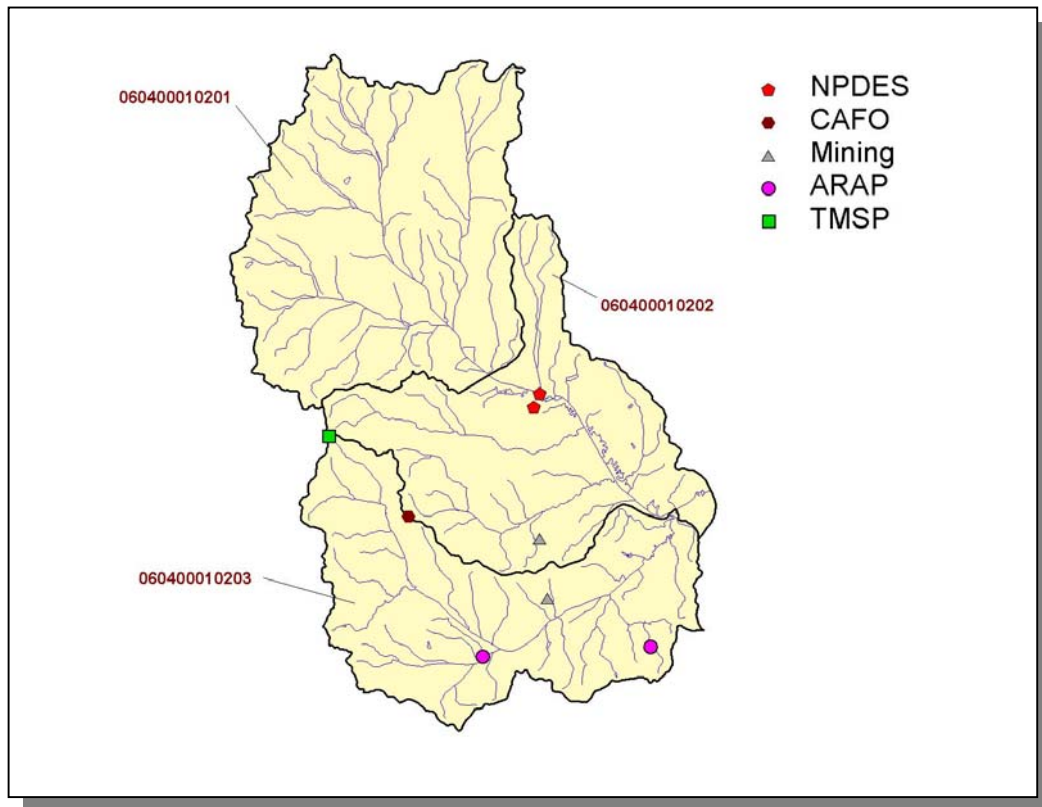


Figure 4-21. Location of Active Point Source Facilities in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

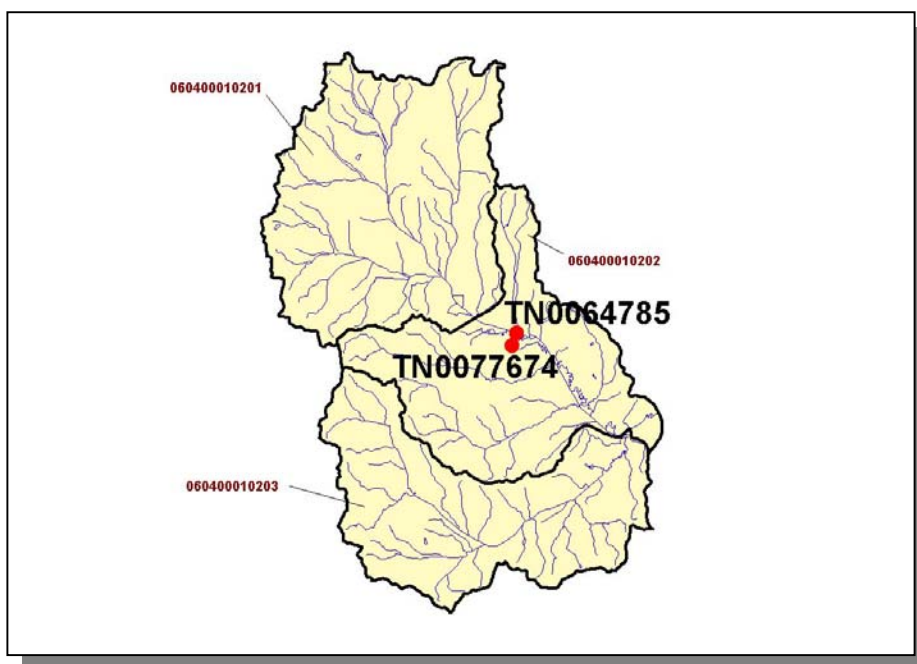


Figure 4-22. Location of NPDES Facilities in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-23. Location of Concentrated Animal Feeding Operations (CAFO) in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

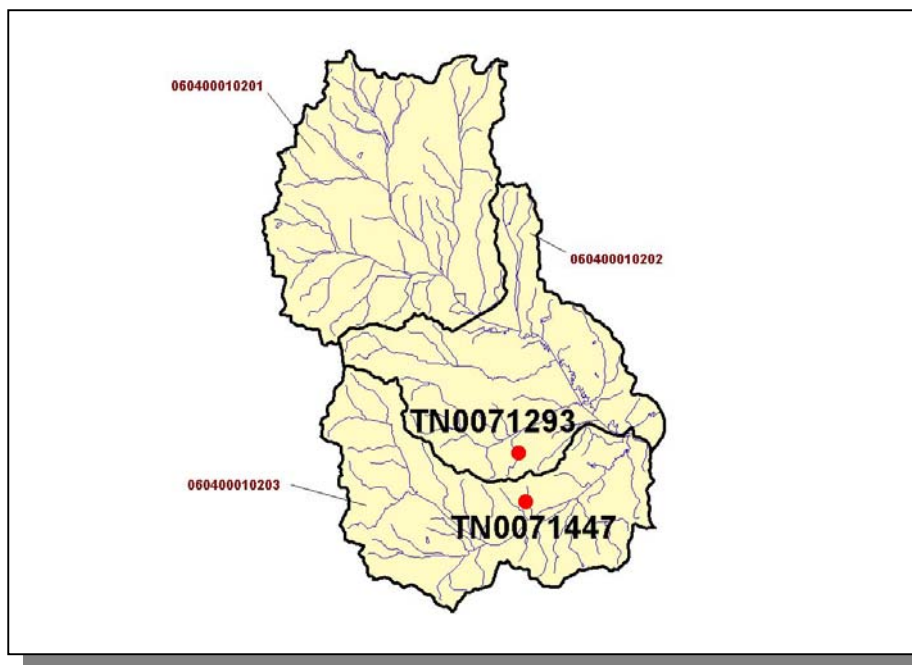


Figure 4-24. Location of Active Mining Facilities in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

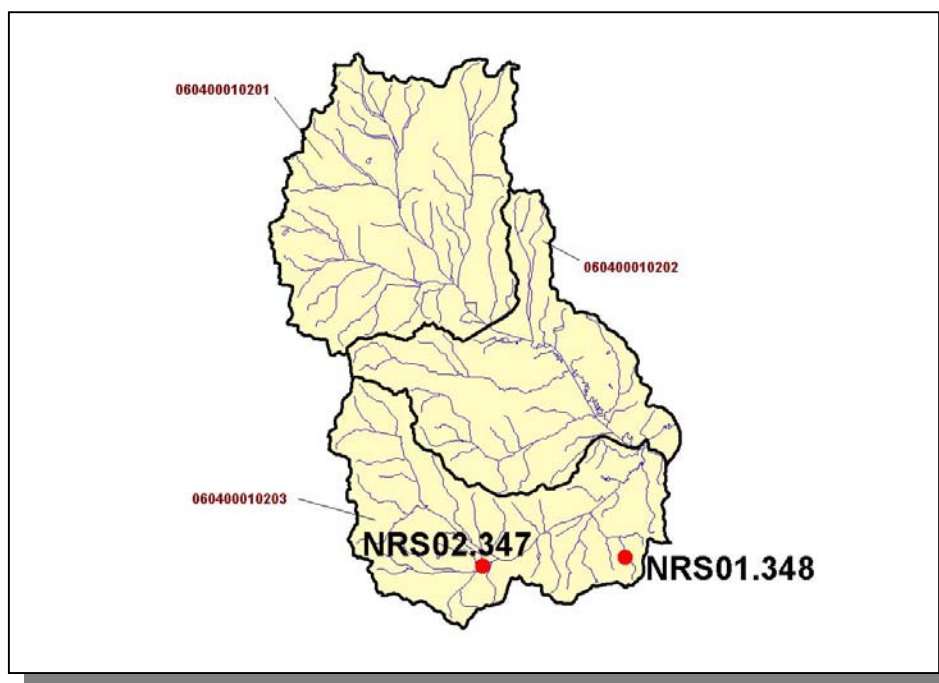


Figure 4-25. Location of ARAP Sites (Individual Permits) in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

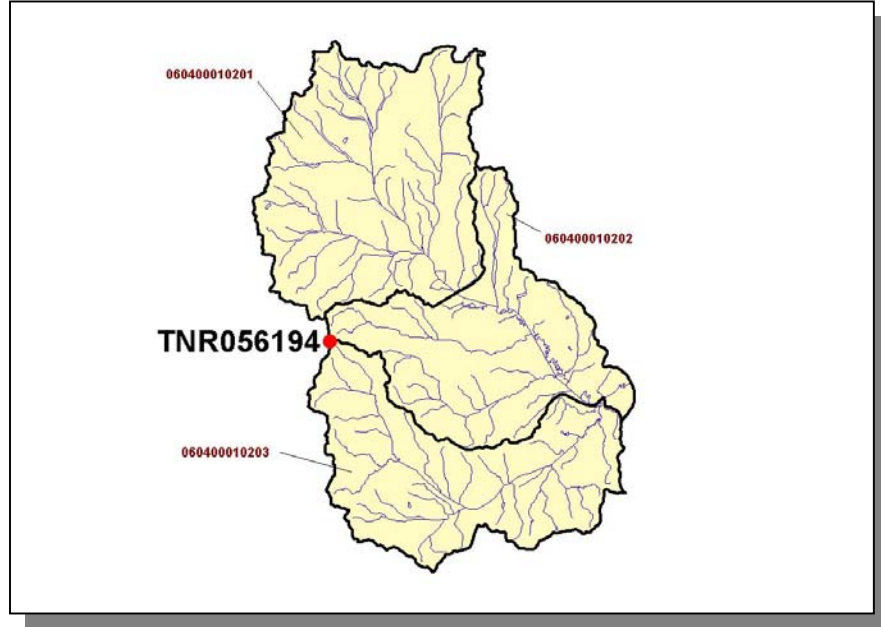


Figure 4-26. Location of TMSF Facilities in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

4.2.B.ii.a. Dischargers to Water Bodies Listed on the 2002 303(d) List

There is one NPDES facility discharging to water bodies listed on the 2002 303(d) list in Subwatershed 0604000102:

- TN0064785 (Adamsville STP) discharges to Snake Creek @ RM 8.0



Figure 4-27. Location of NPDES Dischargers to Water Bodies Listed on the 2002 303(d) List in Subwatershed 0604000102. Subwatershed 060400010201, 060400010202, and 060400010203 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0064785	0.2	0.2	0.3	0.1	0.299

Table 4-14. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 2002 303(d) List in Subwatershed 0604000102. Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

PERMIT #	CBOD ₅	FECAL COLIFORM	TRC	TSS	SETTLEABLE SOLIDS	DO	pH
TN0064785	X	X	X	X	X	X	X

Table 4-15. Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2002 303(d) List in Subwatershed 0604000102. CBOD₅, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids.

4.2.B.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens Sold	Hogs	Sheep
2,067	3,811	<5	7	<5	3,807	35

Table 4-16. Summary of Livestock Count Estimates in Subwatershed 0604000102.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardin	219.9	219.9	6.5	27.6

Table 4-17. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0604000102.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.50
Grass (Hayland)	0.09
Legumes (Hayland)	0.12
Legumes, Grass (Hayland)	0.12
Grass, Forbs, Legumes (Mixed Pasture)	0.56
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	10.10
Cotton (Row Crops)	5.09
Sorghum (Row Crops)	3.62
Soybeans (Row Crops)	10.20
Wheat (Close-Grown Cropland)	2.18
All Other Close-Grown Cropland	5.50
Other Cropland not Planted	3.21
Conservation Reserve Program Lands	0.29
Non-Agricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.14

Table 4-18. Annual Estimated Total Soil Loss in Subwatershed 0604000102.